

**Abstract**

A system for a two dimension bar code for synchronous omni-directional information and its identifying method are disclosed with advantages of simple in identifying, low requirement on scanner synchronization and high in ability to identifying with anti-aberration. The system for the two dimension bar code is composed of units aligned in a matrix form and comprises a pair of vertical synchronous information units at two opposing borders in said matrix; a pair of horizontal synchronous information units at another two opposing border in said matrix; a directing information unit having a characteristic shape and/or optic characteristics for identifying a scanning direction and having a specific relative positional relationship between said vertical information synchronous units and horizontal information synchronous units; and a coding information unit inside said matrix, wherein the base of each unit is in the vicinity of the intersection of the central linking line of a pair of the vertical synchronous information units and the central linking line of a pair of horizontal synchronous information units.